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# TECHNICAL DATA SHEET

## KEASTAT™ PLUS CONDUCTIVE PS-ABS-PS

KEASTAT™ Plus conductive PS-ABS-PS roll stock features a tri-laminate layered construction which is ideal for a wide range of thermoforming applications including carrier tape and trays when enhanced physical and dimensional properties are required. This material has superior impact resistance and tensile strength when compared to conventional conductive PS based products. This material also features low gloss for use with vision inspection systems to reduce glare.

| Physical Property  |  | Typical Value                     | Unit              | Test Method |
|--------------------|--|-----------------------------------|-------------------|-------------|
| <b>Physical:</b>   | Specific Gravity @ 23° C               | 1.08                              | g/cm <sup>3</sup> | ASTM D-792  |
|                    | Mold Shrinkage                         | 0.3 – 0.5                         | %                 | ASTM D-955  |
|                    | Hardness (15 second value)             | 70                                | Shore D           | ASTM D-785  |
| <b>Mechanical:</b> | Tensile Strength                       | MD 39-46<br>CD 28-34              | MPa               | ASTM D-638  |
|                    | Tensile Elongation @ Break             | MD 40-90<br>CD 30-60              | %                 | ASTM D-638  |
| <b>Flexural:</b>   | Flexural Strength                      | 65 - 75                           | MPa               | ASTM D-790  |
|                    | Flexural Modulus                       | 2150                              | MPa               | ASTM D-790  |
| <b>Impact:</b>     | Notched Izod @ ¼", 23° C               | 38                                | Kg-cm/cm          | ASTM D-256  |
| <b>Thermal:</b>    | Vicat Softening Point @ 10 N           | 185<br>85                         | °F<br>°C          | JIS K-7206  |
|                    | Heat Distortion Temperature @ 1.81 MPa | 176<br>80                         | °F<br>°C          | ASTM D-648  |
| <b>Electrical:</b> | Surface Resistivity                    | 10 <sup>4</sup> - 10 <sup>6</sup> | Ohm/sq            | CABOT D-042 |

These values are typical in nature and are not intended for specification purposes.

**Storage Life:** At least one year when stored at less than 37° C (100° F), and sealed in the original packaging.

1/01/19

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